

FIG. 1

200 ↗

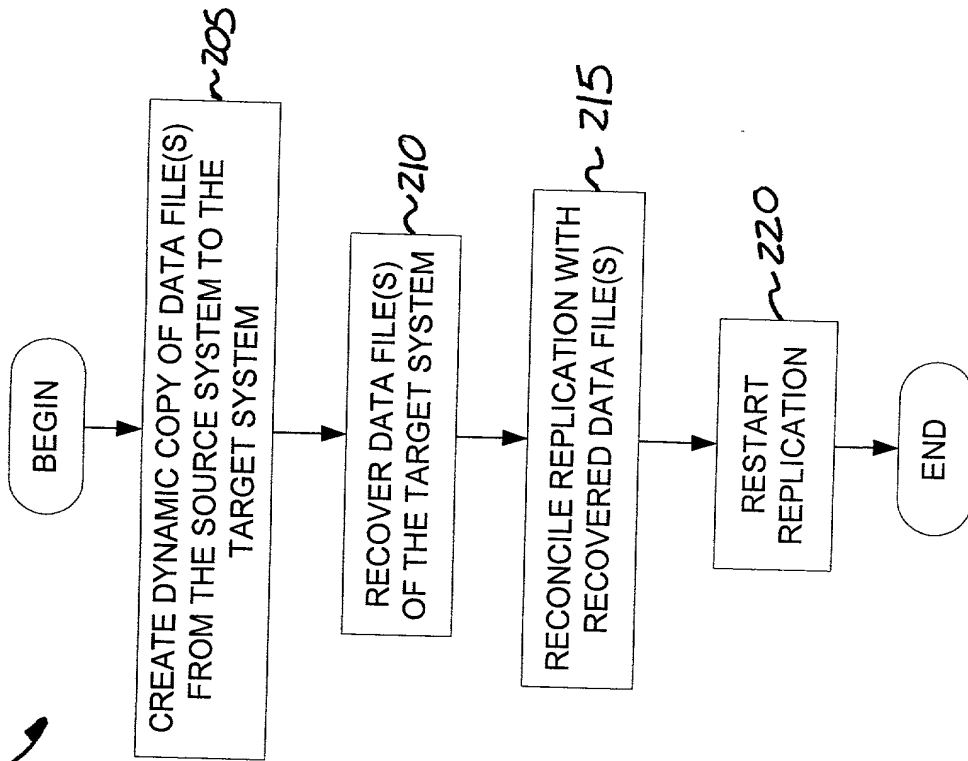


FIG. 2

143 ↘

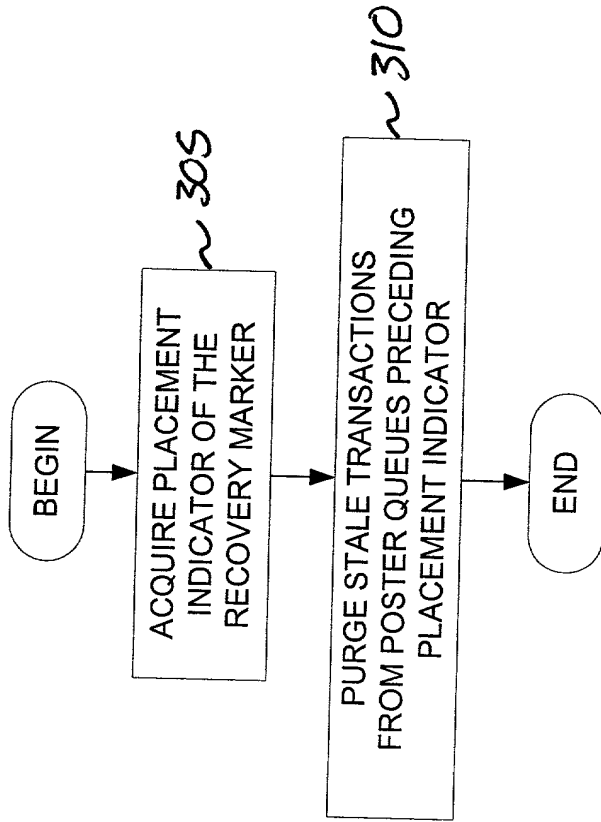


FIG. 3

USER ACTIVITY ON SOURCE SYSTEM		TRANSACTION PROGRESS			
START (SET TRANS.)	COMPLETE (COMMIT TRANS.)	TRANSACTIONS IN LOG FILES OF THE SOURCE SYSTEM	TRANSACTIONS IN READER QUEUE	TRANSACTIONS IN POSTER QUEUE	APPLY TO TARGET SYSTEM?
T01		T01 Set Transaction	T01 Set Transaction	T01 Queue Transaction	Wait for Commit
T02		T02 Set Transaction	T02 Set Transaction	T02 Queue Transaction	Wait for Commit
T03		T03 Set Transaction	T03 Set Transaction	T03 Queue Transaction	Wait for Commit
TARGET SYSTEM FAILS					
	T02	T02 COMMIT	T02 COMMIT	Unavailable	Unavailable
T04		T04 Set Transaction	T04 Set Transaction	Unavailable	Unavailable
	T01	T01 COMMIT	T01 COMMIT	Unavailable	Unavailable
COMPLETE FILE COPY, RECOVER DBMS, AND EXECUTE THE RECONCILE PROCESS					
T05		T05 Set Transaction	T05 Set Transaction	T02 COMMIT	DISCARD
T06		T06 Set Transaction	T06 Set Transaction	T04 Queue Transaction	Wait for Commit
	T3	T3 COMMIT	T3 COMMIT	T01 COMMIT	DISCARD
COMPLETE RECONCILE AND RESTART POSTER					
T07		T07 Set Transaction	T07 Set Transaction	T05 Queue Transaction	Wait for Commit
				T06 Queue Transaction	Wait for Commit
				T3 COMMIT	COMMIT
				T07 Queue Transaction	Wait for Commit

400 ↗

FIG. 4